

**Fig. 1**

```

212→ setf.sig  f1 = r1      // copy first operand from GR to FR
214→ setf.sig  f2 = r2      // copy second operand from GR to FR
220→ ;;
216→ xma.lu    f3 = f1, f2, f0 // multiply using the FRs
222→ ;;
218→ getf.sig   r3 = f3      // copy result from FR to GR
  
```

210 ↗ **Fig. 2a**

```

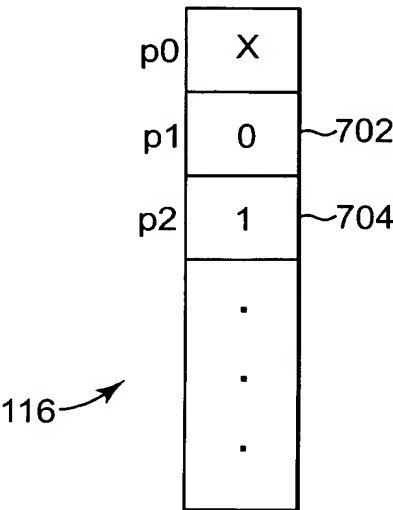
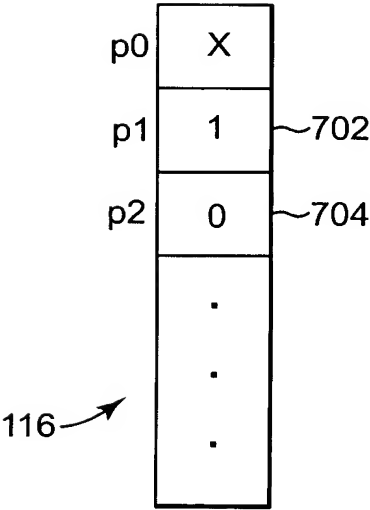
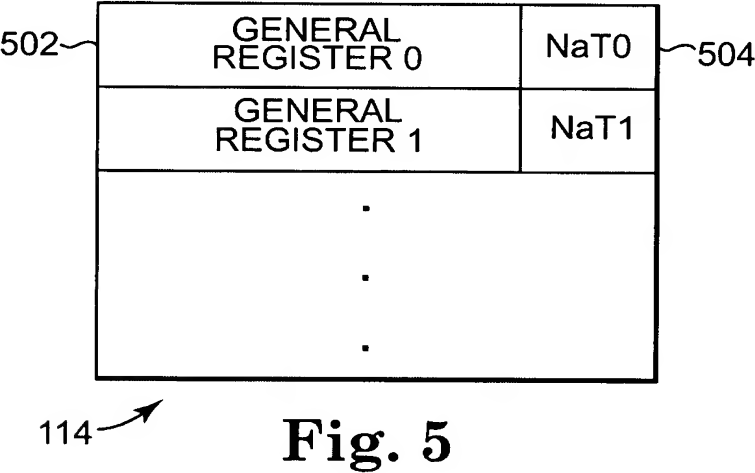
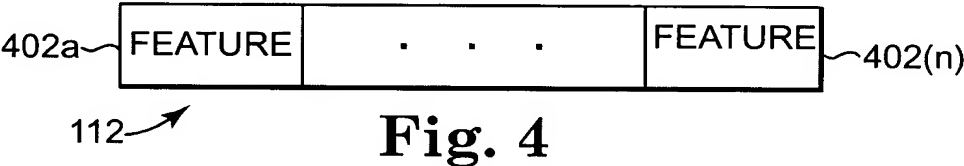
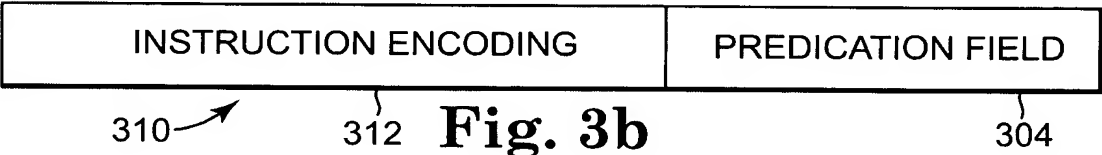
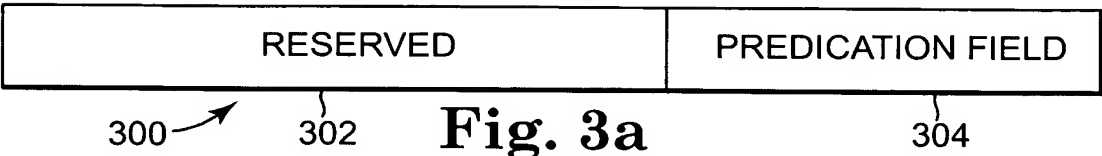
232→ mpy.lu    r3 = r1, r2 // multiply using the GRs
  
```

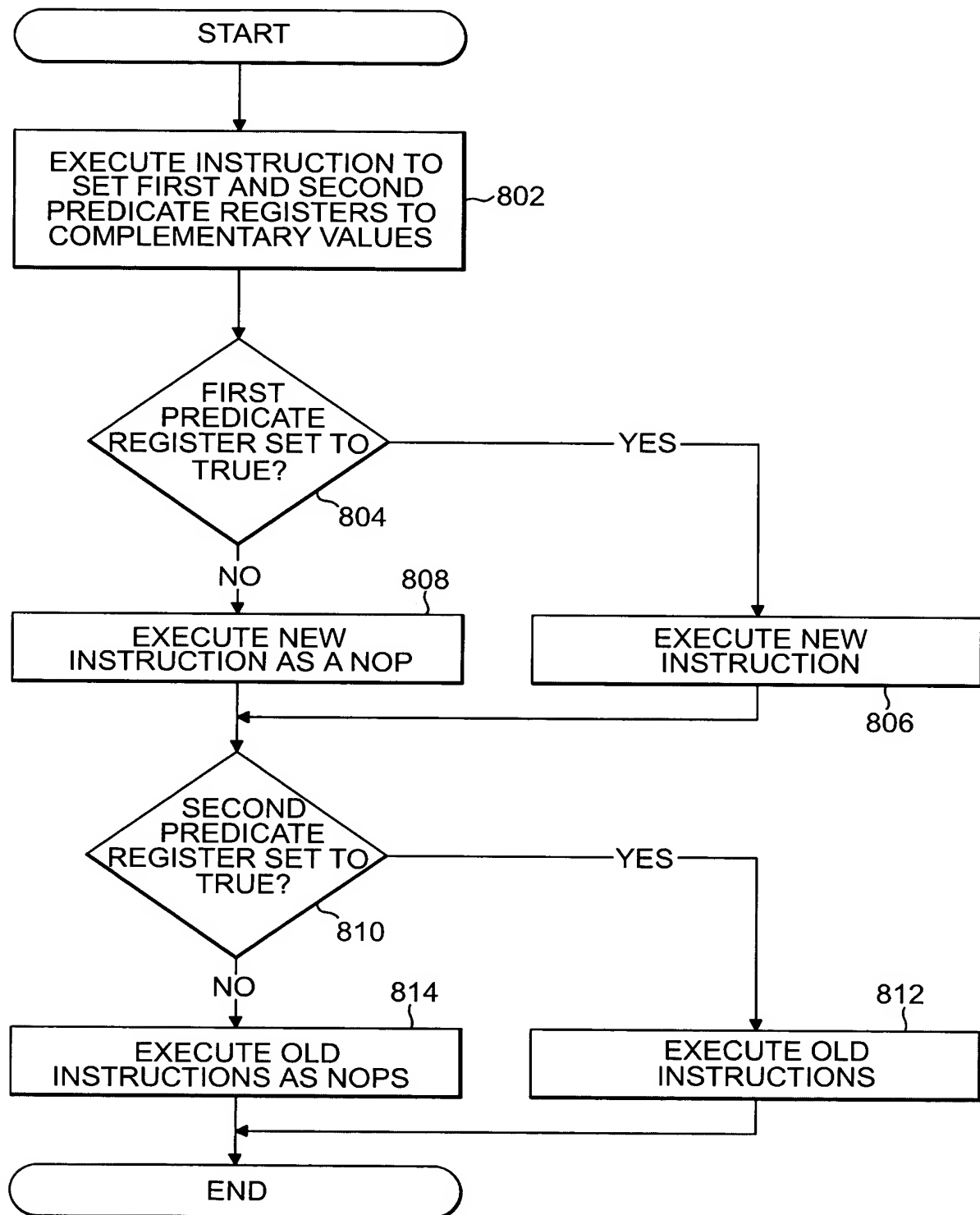
230 ↗ **Fig. 2b**

```

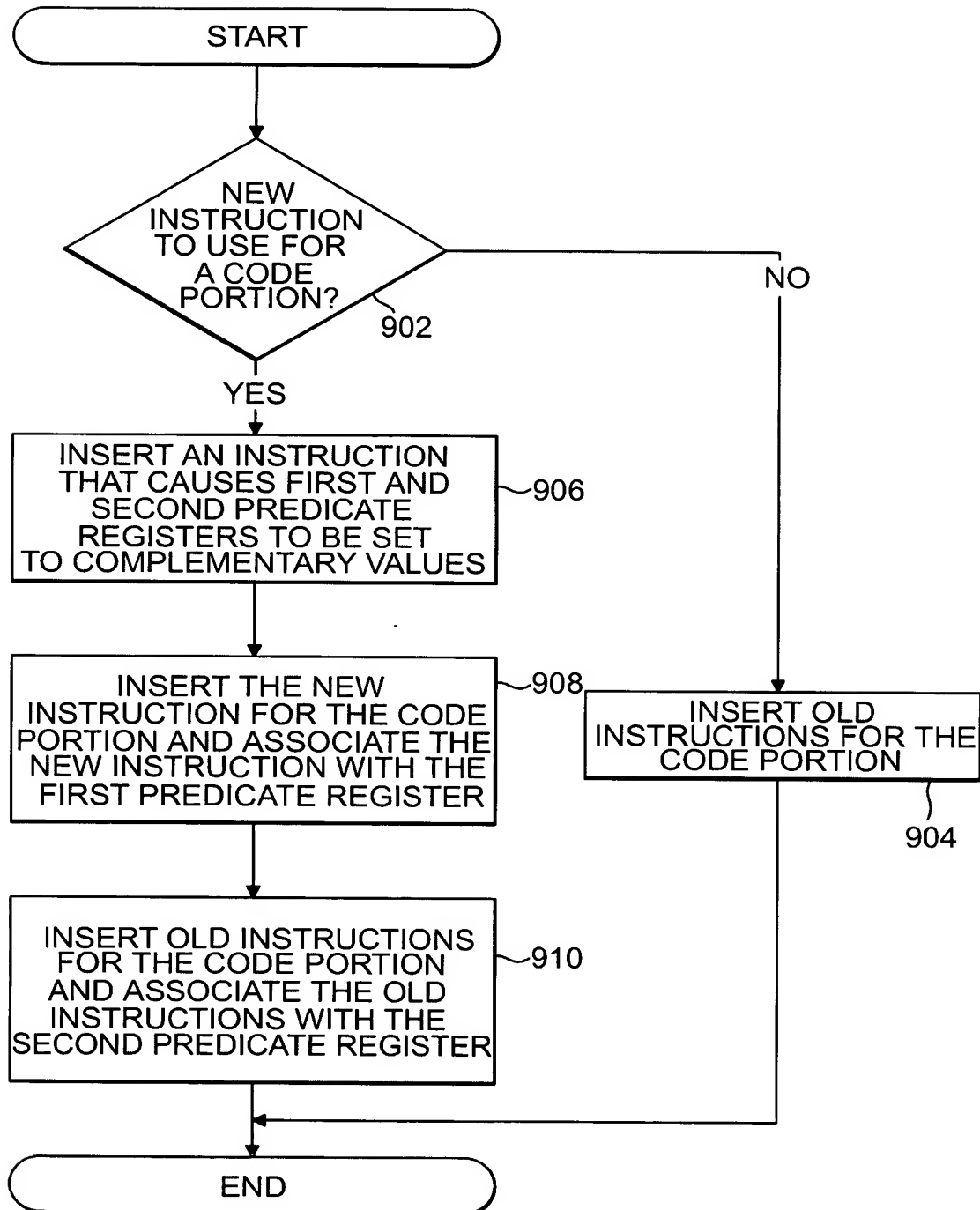
602→ tfeature  p1, p2 = (mpy feature) // set PRs
614→ ;;
604→ (p1) mpy.lu  r3 = r1, r2 // if (new) multiply using the GRs
606→ (p2) setf.sig f1 = r1      // if (old) copy first operand from GR to FR
608→ (p2) setf.sig f2 = r2      // if (old) copy second operand from GR to FR
616→ ;;
610→ (p2) xma.lu   f3 = f1, f2, f0 // if (old) multiply using the FRs
618→ ;;
612→ (p2) getf.sig r3 = f3      // if (old) copy result from FR to GR
  
```

600 ↗ **Fig. 6**





**Fig. 8**



**Fig. 9**